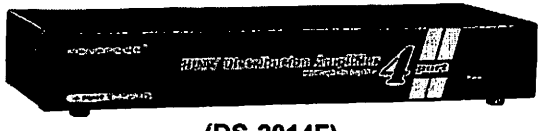
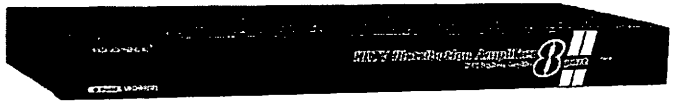
MONOPRICE®

HDTV Distribution Amplifier

(DS-2012F)
1 In 2 Out



(DS-2014F)
1 In 4 Out



(DS-2018F)
1 In 8 Out

USER MANUAL
DS-2012F / DS-2014F / DS-2018F

Package Contents

- 1 MONOPRICE DS-2012F or DS-2014F or DS-2018F HDTV Distribution Amplifier
- 1 user manual
- 1 power adapter DC 7.5V 1.5A for DS-2012F, DS-2014F or 1 AC power cord for DS-2018F
- 2 rack rails, 8 screws for DS-2014F only
- 2 rack rails, 6 screws for DS-2018F only

Any thing missed, please contact with your vendor.

Introduction

Through the HDTV (High Definition Television) Distribution Amplifier DS-2012F, DS-2014F, DS-2018F, you can use one PC/DVD player to display identical image on 2,4,8 LCD monitors or projectors or HDTV.

HDTV Distribution Amplifier is ideal for:

- Test bench facilities
- Data Center
- Help desks

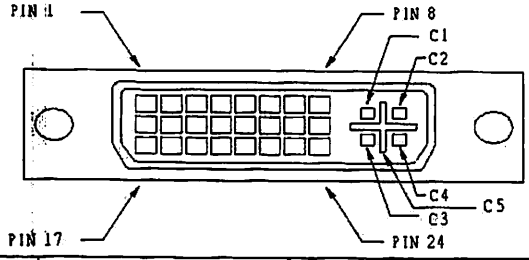
Features

- Use PanelLink digital technology.
- Compliant with the specification of DVI 1.0.
- Support high-resolution display up to UXGA (25-165MHz), 480p, 480i, 720p, 1080i.
- Support HDCP.
- Can be cascaded.
- 1U rack design for DS-2014F, DS-2018F.

Specifications

Function	DS-2012F	DS-2014F	DS-2018F
Video Input Connector (DVI Female)	1		
Video Output Connector (DVI Female)	2	4	8
Max. Resolution	1600x1200 60Hz		
Cable Distance (Device to Monitor)	10 m (Max.)		
Signal Type	Standard DVI Signal		
Power Adapter (Min.)	DC 7.5V 1.5A		AC 100~240V
Housing	Metal		
Weight	475 g	975 g	2530 g
Dimensions (LxWxH) mm	153x75x45	269x104x45	440x185x45

Technical Specifications
Input/Output Signal



Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

FRONT VIEW

1. Power LED

REAR VIEW

1. Input Power Jack
2. "DVI In" Port
3. "DVI Out" Port

*There are 2/4/8 out ports for DS-2012F / DS-2014F / DS-2018F.

Installation

1. Turn off the PC/DVD player and monitors.
2. Connect the DVI male extension cable between the PC/DVD player and the "DVI In" port of Distribution Amplifier.
3. Connect the DVI male/female extension cables between the monitors and the "DVI Out" ports of Distribution Amplifier.
4. Connect the power cord and turn on the Distribution Amplifier.
5. Turn on the PC/DVD player and monitors.

Note:

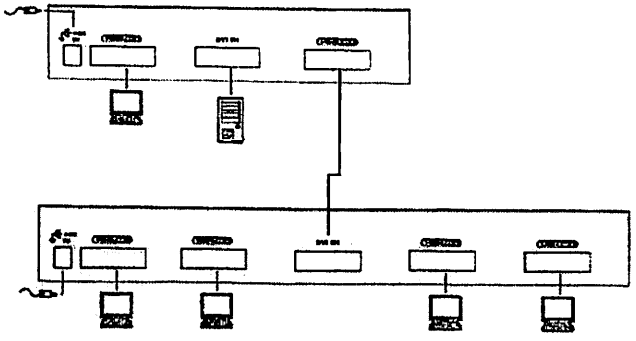
- If you install the DDC monitor for the Distribution Amplifier, the rest of monitors must be the same resolution as the DDC monitor.
- When use this product, we suggest user connect monitor from "DVI out 1" first. For protection HDCP purpose, it does not work if user connect from "DVI out 2 ~ 8" first.

Operation for cascade:

1. The function to display identical image on more monitors, you have to attach another Distribution Amplifier.
2. Connect the DVI male/female extension cable between the former Distribution Amplifier of the "DVI Out 1" port and the latter Distribution Amplifier of the "DVI In" port.

Note:

Even though you are allowed to cascade the Distribution Amplifier with varied ports, the image might become unstable if cascade too many tiers of Distribution Amplifier.



P.S.: The example cascades the 2 and 4 ports Distribution Amplifier; however, you can cascade the HDTV Distribution Amplifier with demanded port.

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